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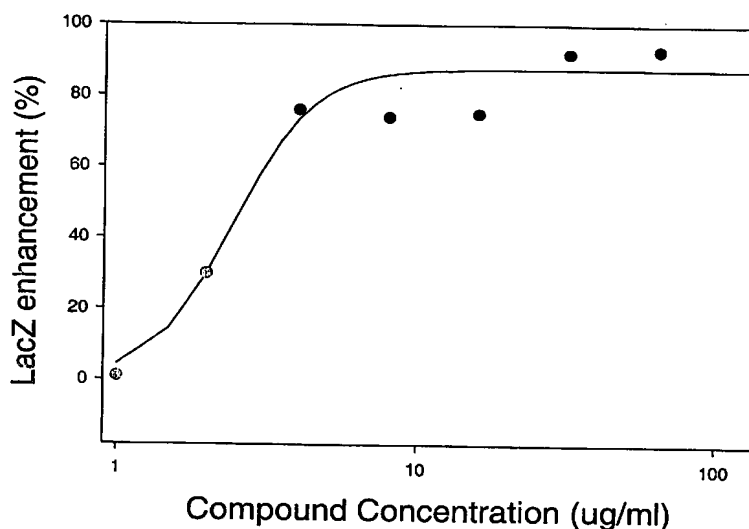
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(54) Title: TOPOISOMERASE MODULATOR ASSAYS

Coumermycin dose response



(57) Abstract: The present invention provides methods for screening for compounds that modulate, e.g. inhibit, the activity of topoisomerases such as DNA gyrase, comprising providing cells expressing topoisomerase and containing a promoter sensitive to changes in DNA topology having a reporter gene operatively linked thereto, and measuring the expression of said reporter gene in the presence and in the absence of a test compound. Compounds that modulate the activity of topoisomerase can be identified by virtue of an alteration in reporter gene expression.



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